



Microsoft

70-547-CSharp

*PRO-Design and Develop Web-Basd Apps by Using MS.NET
Frmwk*

QUESTION: 64

You create Web-based client applications. You are modifying the home page of an existing Internet application by adding a third-party component. You need to decide what type of testing is required. Which two testing techniques should you choose? (Each answer presents part of the solution. Choose two.)

- A. Unit testing of the third-party component
- B. Integration testing with the third-party component
- C. Regression testing of the third-party component
- D. Certification testing of the third-party component
- E. Performance testing with the third-party component

Answer: B, E

QUESTION: 65

You create Web-based client applications. You are creating an application for a Web site. The Web site uses the application to simulate mortgage loans. Your application calculates the monthly payment for loans. The monthly payment is based on the number of payments, rate, and the amount of loan. You need to create the unit testing strategy for the application. What should you do?

- A. Create a test that verifies the accuracy of the application based on a list of valid values.
- B. Create a test that verifies the integration points of the application.
- C. Create a test that verifies that the application consumes no more than 40 percent of CPU time.
- D. Create a test that verifies that the application consumes no more than 512 MB of RAM.

Answer: A

QUESTION: 66

You create Web-based client applications. You are creating an Internet banking application. Sank account holders will use this application. The application uses a set of Web services to retrieve account information. One of these Web services is used to retrieve a list of transactions. This Web service returns the list as an XML document. The application must meet the following requirements:

Data from the XML document has to be retrieved, formatted, and displayed in the user interface.

Any changes to the way the data is formatted and to the amount of data displayed should not require the code to be recompiled.

The current design of the application specifies that the XML document will be accessed through an `XMLDocument` object, and `XPath` expressions will be used to extract portions of the document to populate controls on a Web form. You need to evaluate the current

design of the application and make recommendation for changes, if required. What should you recommend?

- A. The current design meets the requirements.
- B. The current design does not meet the requirements. Use an XSLT file to transform the XML document and display the result on a Web form by using an XML control.
- C. The current design does not meet the requirements. Use a cascading style sheet (CBS) file to format the output of the current Web form.
- D. The current design does not meet the requirements. Generate a Dataset object from the XML document and bind the dataset to a DataGrid control on a Web form.
- E. The current design does not meet the above requirements. Generate a Datalable object from the XML document and bind the DataTable object to a DataGrid control on a Web form.

Answer: B

QUESTION: 67

You create Web-based client applications. You are designing a new Web site for your company. You need to evaluate the design concept for the main page, default.aspx. The default.aspx page contains static information, except for one data grid that displays information about the company's products. The data grid will retrieve the data from a component. The component will retrieve the data from a stored procedure. The page has the appropriate permissions to the Microsoft SQL Server database. The application design must achieve the following goals without altering the data component:

The default.aspx page must load quickly.

The default.aspx page must contain the latest data from the database.

You decide to use a sqlCacheDependency attribute to ensure that the default.aspx page always displays the latest data in the grid. You need to ascertain whether the use of the sqlCacheDependency attribute meets the requirements of this application. Which rationale should you choose?

- A. The use of the sqlCacheDependency attribute is not feasible. The sqlCacheDependency attribute must be used in the component and not on the page.
- B. The use of the sqlCacheDependency attribute is not feasible. The sqlCacheDependency attribute cannot be used with a stored procedure.
- C. The use of the sqlCacheDependency attribute is feasible. The sqlCacheDependency attribute can be used by including a sqlDependency attribute in the @OutputCache directive of the page.
- D. The use of the sqlCacheDependency attribute is feasible. The sqlCacheDependency attribute can be linked to the data component that is used on the page.

Answer: C

QUESTION: 68

You create Web-based client applications. You administer a large ASP.NET Web application that is hosted by using IIS. The application must meet the following requirements:

Permit all users to log on by using a Web page that is integrated into the application.
The security configuration must accommodate the largest number of browsers possible.
You need to make recommendations for a security plan that meets the application requirements. What should you recommend?

- A. Configure IIS to use Basic authentication.
- B. Configure IIS to use Integrated Windows authentication.
- C. Set the mode attribute of the authorization element in the Web.config file for the application to Windows. A custom logon form should be created in the application and the classes in the System.Web.Security namespace must be used to manage the authentication process.
- D. Set the mode attribute of the authentication element in the Web .config file for the application to Forms. A custom logon form should be created in the application and the classes in the System .Web.Security namespace must be used to manage the authentication process.

Answer: D

QUESTION: 69

You create Web-based client applications. You review an application that manages the medical information of patients. The information is confidential and needs to be stored by using the most secure method available. The application encrypts patient data and stores it in database tables. The application stores a document or image that is related to a patient in the following manner: The name of the item is stored in the database. The physical document or image is stored in the local file system. The application locates and retrieves the physical document or image based on the name that is returned from the database when the data for a patient is queried. You need to evaluate whether the current application design uses the most secure method available to store information and provide an appropriate recommendation. What should you recommend?

- A. The current method of storage is the most secure one available.
- B. The current method of storage is not the most secure one available. Documents and images must be stored in the database.
- C. The current method of storage is not the most secure one available. Patient data, documents, and images must be serialized and stored in XML.
- D. The current method of storage is not the most secure one available. Patient data, documents, and images must be stored on a removable drive for quick removal in case of a security breach.

Answer: B

QUESTION: 70

You create Web-based client applications. You are evaluating an application. The application displays data that is stored in XML files. The data changes periodically. The development team implements a complex caching solution to improve the performance of the application. However, the caching solution is identified as causing the performance of the application to drop to an unacceptable level. The caching solution also results in significant data latency. The application requirements state that the data that is displayed in the application must be close to real time. You need to ensure that the application design meets the requirements. You also need to ensure that least amount of code is used. Which rationale should you choose?

- A. The application is not performing optimally. Discard the current caching solution in favor of ASP.NET page caching.
- B. The application is not performing optimally. Discard the current caching solution in favor of ASP.NET data caching. Configure a cache dependency to monitor the source file.
- C. The application is not performing optimally. Compile the current caching solution into its own assembly and add it to the global assembly cache.
- D. The application is performing optimally. A custom caching solution is the recommended approach.

Answer: B

QUESTION: 71

You create Web-based client applications. Your company has an existing ASP.NET application that is currently deployed on a single server. The application manages state by using session variables and ViewState. The number of users for the application has significantly increased. You need to configure the application to accommodate the significantly increased traffic and to recover transparently from hardware failure. Which three actions should you perform? (Each correct answer presents part of the solution. Choose three.)

- A. Implement network load balancing.
- B. Use matching machine keys in the Machine .config files.
- C. Use cookieless sessions.
- D. Implement sticky sessions.
- E. Configure Microsoft SQL Server as the location for state storage.
- F. Configure SSL.

Answer: A, E, ?

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